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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Daryl B. Olander

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FLIESLER MEYER LLP
650 CALIFORNIA STREET
14TH FLOOR
SAN FRANCISCO, CA 94108

EXAMINER

BELOUSOV, ANDREY

ART UNIT

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/789,140	Applicant(s) OLANDER ET AL.	
	Examiner ANDREY BELOUSOV	Art Unit 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on December 20, 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-70 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-70 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>10/24/2007, 12/20/2007, 2/5/2008</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This action is in responsive to the filing of December 20, 2007. Claims 1-70 are pending and have been considered below.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-70 are rejected under 35 U.S.C. 102(b) as being anticipated by Hunter (Java™ Servlet Programming by Jason Hunter, Copyright (c) 2001, 1998 O'Reilly & Associates, Inc.)

Claim 1: Hunter discloses a method for building a representation of a graphical user interface (GUI), comprising:

- a. generating a class (e.g. HolisticCounter), the class being an object oriented programming language class (pg. 40-41);
- b. generating a first representation of the GUI (class instance, pg. 41), wherein the class can produce a second representation GUI (e.g. another class instance, pg. 41) based on the first representation (counter value is modified by number of instances, pg. 41);

- c. generating a second representation of the GUI (second instance of HolisticCounter class) from the class, wherein the second representation includes at least one control (e.g. count, classCount, instances, etc., pg. 41); and
- d. wherein the first representation can include at least one of: hierarchical relationships among controls, control properties, and control event information (e.g. static, int, etc., pg. 41.)

Claim 2: Hunter discloses the method of claim 1, further comprising: creating the first representation by parsing a file (compiling, pg. 7).

Claim 4: Hunter discloses the method of claim 1 wherein: the second representation is a tree (pg.494.)

Claim 5: Hunter discloses the method of claim 1 wherein: the step of generating the class occurs as a result of receiving a request (pg. 15.)

Claim 8: Hunter discloses the method of claim 1 wherein: the second representation can be driven through at least one lifecycle stage by an interchangeable lifecycle component (pg. 35, 36.)

Claim 17, 58: Hunter discloses a method and machine readable medium having instructions thereon for building a representation of a graphical user interface (GUI), comprising:

- a. generating a representation of the GUI (Fig. 3-2, pg. 42) from metadata (instance of a class, pg. 41), wherein the representation includes at least one control (e.g. count, classCount, instances, etc., pg. 41);
- b. driving the representation through at least one lifecycle stage by an interchangeable lifecycle component (pg. 35, 36);
- c. wherein the metadata can include at least one of: hierarchical relationships among controls, control properties, and control event information (e.g. static, int, etc., pg. 41); and
- d. wherein the representation can be driven through the at least one lifecycle stage by an interchangeable lifecycle component (pg. 35, 36);
- e. wherein the interchangeable lifecycle component runs on at least one processor (pg. 35, 36, it is inherent that 'execution on a server' is performed on processor);

Claim 30: Hunter discloses a system for building a representation of a graphical user interface (GUI), comprising:

- a. a first component operable (JVM, pg. 35, 36) to produce a second component (servlet container, pg. 35) and a metadata representation of the GUI (instance of a class, pg. 41);

- b. the second component operable to produce a hierarchical representation of the GUI based on the metadata (pg. 42), wherein the representation includes at least one control (e.g. count, classCount, instances, etc., pg. 41);
- c. wherein the metadata can include at least one of: hierarchical relationships among controls, control properties, and control event information (e.g. static, int, etc., pg. 41); and
- d. wherein the representation can be driven through at least one lifecycle stage by an interchangeable lifecycle component (pg. 35, 36);
- e. wherein the interchangeable lifecycle component runs on at least one processor (pg. 35, 36, it is inherent that 'execution on a server' is performed on processor.)

Claim 44: Hunter discloses a system comprising:

- a. a means (pg. 35, 36 JVM) for generating a first representation (e.g. servlet container, pg. 31) of a graphical user interface (GUI);
- b. a means for generating a second representation of the GUI from the first representation (class instance, pg. 41), wherein the second representation includes at least one control (e.g. count, classCount, instances, etc., pg. 41);
- c. wherein metadata (pg. 40, HolisticCounter class) can include at least one of: hierarchical relationships among controls, control properties, and control event information (e.g. static, int, etc., pg. 41); and
- d. wherein the second representation can be driven through at least one lifecycle stage by an interchangeable lifecycle component (pg. 35, 36);

- e. wherein the interchangeable lifecycle component runs on at least one processor
(pg. 35, 36, it is inherent that 'execution on a server' is performed on processor.)

Claim 18, 31, 45, 59: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 17, 30, 44, and 58, respectively, further comprising: creating the metadata by parsing a file (compiling, pg. 7.)

Claim 19, 33, 60: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 17, 30, and 58, respectively, wherein: the step of generating the metadata representation occurs as a result of receiving a request (pg. 15.)

Claim 9, 22, 36, 50, 63: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58, respectively, wherein: the at least one control has an interchangeable persistence mechanism (pg. 37, 216, 384, 582.)

Claim 10, 23, 37, 51, 64: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58, respectively, wherein: the at least one control can render itself according to a theme (Tea Templates, pg. 433.)

Claim 11, 24, 38, 52, 65: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58, respectively, wherein: one of the at least one controls can interact with another of the at least one controls (pg. 35.)

Claim 12, 25, 39, 53, 66: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58, respectively, wherein: one of the at least one controls can advance through the at least one lifecycle stage in parallel with another of the at least one controls (pg. 35.)

Claim 13, 26, 40, 54, 67: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 8, 17, 30, 44, and 58, respectively, wherein:

- a. the at least one lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose (pg. 35, 43); and
- b. wherein the lifecycle stage is part of a dynamically configurable lifecycle (pg. 35.)

Claim 15, 28, 42, 56, 69: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58, respectively, wherein: the at least one control can raise events and respond to events (pg. 580-583.)

Claim 16, 29, 43, 57, 70: Hunter discloses the method, system, and a machine readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58, respectively, wherein: the at least one control can be one of: Book, Page, Window, Menu, Layout, Portlet, Theme, Placeholder, Shell, LookAndFeel, Desktop, Body, Footer, Header, Head, Titlebar, ToggleButton, Treeview, TreeViewWithRadioButtons (pg. 347-353.)

Claim 47: Hunter discloses the system of claim 44, further comprising: the means for accepting a request (pg. 15.)

Claim 3, 32, 46: Hunter discloses a method, and a system of claims 2, 31 and 45, respectively, wherein the file is a JavaServer Pages (JSP) file (514-515.)

Claim 6, 20, 34, 48, 61: Hunter discloses a method, system and a machine readable medium having instructions thereon, of claims 5, 19, 33, 47 and 60, respectively, wherein the request is a hypertext transfer protocol request (HTTP); and the request originates from a web browser (pg. 15.)

Claim 7, 21, 35, 49, 62: Hunter discloses a method, system and a machine readable medium having instructions thereon, of claims 1, 17, 30, 44 and 58, respectively, further comprising: providing a response to a web browser (pg. 15, 42.)

Claim 14, 27, 41, 55, 68: Hunter discloses a method, system and a machine readable medium having instructions thereon, of claims 7, 21, 35, 49 and 62, respectively, wherein the response is a hypertext transfer protocol (HTTP) response (pg. 15, 42.)

Response to Arguments

3. Applicant's arguments with respect to claim 1-70 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Belousov whose telephone number is (571) 270-1695. The examiner can normally be reached on Mon-Fri (alternate Fri off) EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AB
March 15, 2008

/David A Wiley/

Supervisory Patent Examiner, Art Unit 2174